

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of	)	
	)	
Santi Kulprathipanja et al.	)	Atty. Docket No. 108297
	)	
	)	
PHENYL-ALKANE COMPOSITIONS	)	
PRODUCED USING AN	)	
ADSORPTIVE SEPARATION	)	
SECTION	)	

**SUBMISSION OF INFORMATION IN ACCORDANCE WITH MPEP 609**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant(s) submit herewith documents which they believe may be material to the examination of this application and with respect to which they believe there may be a duty to disclose the existence and contents thereof. These documents are listed on the attached Information Disclosure Statement by Applicant.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), nor as an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission in any manner.

Copies of all listed documents are:

- ☐ attached hereto.
- ☒ attached hereto unless provided during the prosecution of the parent application, U.S. Appln. No. 09/650,886, filed 08/29/2000, or grandparent application, U.S. Appln. No. 09/222,423, filed 12/29/1998, now issued as U.S. Patent No. 6,252,127.

Copies of all listed U.S. patents are not attached hereto pursuant to the notice entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" dated July 11, 2003, and signed by Stephen G. Kunin, Deputy Commissioner for Patent Examination Policy.

Atty. Docket No. 108297

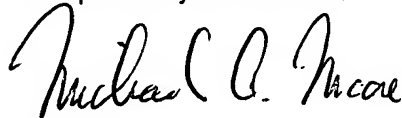
Related Applications:

- ☐ In addition to the documents cited in the specification, applicant wishes to point out copending U.S. application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.
- ☐ This copending application relates to \_\_\_\_\_.
- ☐ The inventive entity is the same.

The owner of the above applications is the same.

Initialing of each document after its consideration by the Examiner is now respectfully requested in this matter.

Respectfully submitted,



Michael A. Moore  
Attorney for Applicant  
Reg. No. 41,203  
(847) 391-2948 (phone)  
(847) 391-2387 (fax)

Dated: September 9, 2003

MAM:sb

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)***Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Santi Kulprathipanja
Art Unit	
Examiner Name	
Attorney Docket Number	108297

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS		DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,301,316	11/17/1981	Young	585	455	11/20/1979
		4,301,317	11/17/1981	Young	585	455	11/20/1979
		6,111,158	08/29/2000	Marinangeli et al.	585	467	03/04/1999
		6,187,981	02/13/2001	Marinangeli et al.	585	323	07/19/1999
		6,589,927	07/08/2003	Kott et al.	510	357	07/19/2000

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUB. DATE MM-YYYY	COUNTRY	NAME	CLASS	SUBCLASS	TRANSLATION _____ YES      NO	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER			
DATE CONSIDERED			

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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The documents on this page and the following pages were either submitted during the filing or prosecution of the parent application (09/650,886), grandparent application (09/222,423), or cited the Examiner:

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS		DOCUMENT NUMBER	PUBL. DATE	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2,477,382	7/1949	Lewis	260	671	05/04/1946
		4,329,280	5/1982	Cleary et al.	530	207	
		4,367,364	1/1983	Kulprathipanja et al.	585	826	7/30/1981
		4,455,444	6/1984	Kulprathipanja et al.	585	826	11/12/1982
		4,455,445	6/1984	Neuzil et al.	585	820	
		4,956,521	9/1990	Volles	585	826	10/06/1988
		4,982,052	1/1991	Nolte	585	822	
		5,055,633	10/1991	Volles	585	826	
		5,055,634	10/1991	Volles	585	826	
		5,262,144	11/1993	McCulloch	423	328.2	12/26/1991
		5,276,246	1/1994	McCulloch et al.	585	829	12/23/1991
		5,292,990	3/1994	Kantner et al.	585	820	12/20/1990

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUB. DATE MM-YYYY	COUNTRY	NAME	INTERNATIONAL PATENT CLASSIFICATION	TRANSLATION _____ YES NO	
		PCT WO 99/07656	2/18/1999	PCT		C07C 7/00	x	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

			Vora, B.V. et al. "Latest LAB Developments" <i>Hydrocarbon Processing</i> November 1984 pp. 86-90
			Schulz, R.C. et al. "LAB Production" Poster Session at 2 <sup>nd</sup> World Conference on Detergents Montreux, Switzerland; October 5-10, 1986
			Hoering, Thomas C. et al. "Shape-Selective Sorption of Monomethylalkanes by Silicate, a Zeolitic Form of Silica," <i>Journal of Chromatography</i> , 316 (1984) pp. 333-341
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		5,196,574	03/1993	Kocal	562	98	12/23/1991
		5,276,231	01/1994	Kocal et al.	585	323	07/27/1992
		5,302,732	04/1994	Steigleder et al.	554	98	09/14/1992
		5,344,997	09/1994	Kocal	568	628	12/14/1992

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
	A	US-3,355,484	11-1967	Bloch	562	94
	B	US-3,413,373	11-1968	Bloch	585	315
	C	US-3,910,994	10-1975	Bloch et al.	562	93
	D	US-4,235,810	11-1980	Osselet et al.	562	94
	E	US-4,959,491	09-1990	Threlkel.	562	94
	F	US-5,132,486	07-1992	Wylie	585	826
	G	US-5,196,624	03-1993	Threlkel et al.	585	513
	H	US-5,196,625	03-1993	Threlkel et al.	585	513
	I	US-5,491,271	02-1996	Marinangeli et al.	585	468
	J	US-6,069,289	05-2000	Dandekar et al.	585	820
	K	US-6,225,516	05-2001	Radici et al.	585	323
	L	US-				
	M	US-				

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								YES	NO
		WO 99/05082	02/1999	PCT	Scheibel et al.			X	
		WO 99/05084	02/1999	PCT	Scheibel et al.			X	
		WO 99/05241	02/1999	PCT	Scheibel et al.			X	
		WO 99/05243	02/1999	PCT	Scheibel et al.			X	
		WO 99/07656	02/1999	PCT	Connor et al.			X	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

			"Lubrication and Lubricants" in <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , 4 <sup>th</sup> Ed., Vol. 15 (John Wiley and Sons, New York, 1995) pp. 463-515. ISBN 0-471-52684-3 (v.15) TP9.E685 1992
			Watson, Roger W. et al. <i>Additives -- The Right Stuff for Automotive Engine Oils Fuels and Lubricants Technology: An Overview</i> SP-603 Copyright 1984 Society of Automotive Engineers, Inc. ISBN 0-89883-825-8 SAE/SP-84/603 pp. 17-28
			Smalheer, C.V. et al. <i>Chemistry of Additives</i> Lubricant Additives pp. 17-28 1967 The Lubrizol Corporation, Cleveland, Ohio Library of Congress Catalogue Card No. 67-19868
			<i>Handbook of Petroleum Refining Processes</i> edited by Robert A. Meyers, (McGraw-Hill, New York, 2 <sup>nd</sup> Ed., 1997), pp. 1.53 to 1.66 and pp. 5.11 to 5.19.
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